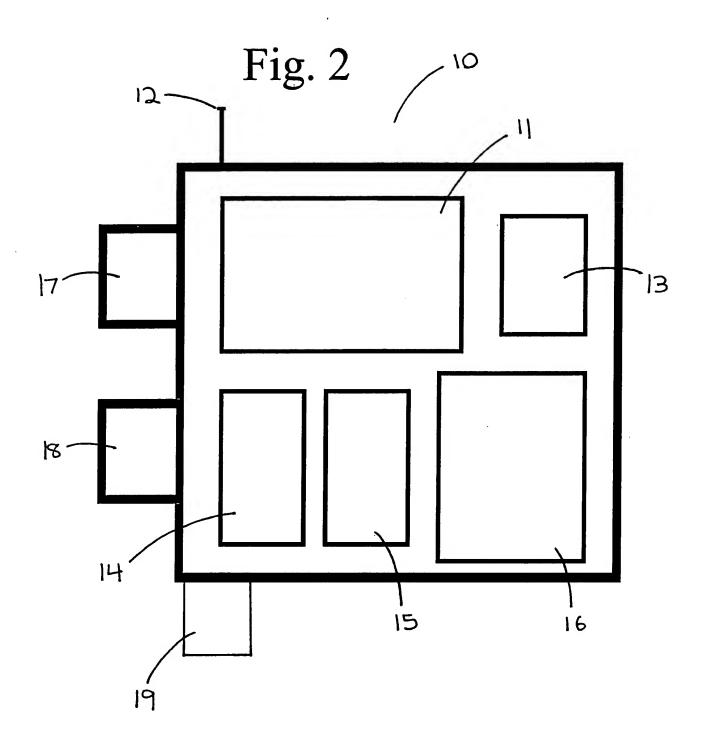


Month	Temp Budget	ET
Jan	25.61%	23.18%
Feb	32.61%	29.82%
Mar	56.31%	53.62%
Apr	72.02%	72.23%
May	88.90%	88.47%
Jun	97.90%	96.19%
Jul	100.00%	100.00%
Aug	94.09%	92.93%
Sep	69.78%	70.39%
Oct	51.06%	53.07%
Nov	34.09%	29.09%
Dec	25.98%	25.67%

F16. 1



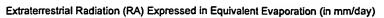
F.c. 3

FIG. 4

32 —	Operator Installs Irrigation Controller Operator attaches cutoff switch to existing irrigation system Operator installs temperature sensor within target geographical area (Optional) Operator installs precipitation sensor
42 — 43°/b — 44 —	Operator Configures Irrigation Controller Operator enters current time, date, month and year Operator enters expected summer high temperature and its date Operator enters latitude for geographical area or zip code Operator enters preliminary irrigation schedule (Optional) Operator enters minimum system activation temperature
51 —	Controller Calculates Summer Temperature Budget Factor (STBF) Obtain extraterrestrial radiation value from RA lookup table Determine STBF from average summer temperature and RA
62 —	Controller Calculates Periodic Temperature Budget Factor (PTBF) Record maximum temperature for the current period Determine RA for the current period Determine PTBF from periodic maximum temperature and RA
72-	Controller Affects Preliminary Irrigation Schedule Calculate water budget ratio (WBR) from STBF and PTBF Adjust irrigation schedule by WBR Store adjusted irrigation schedule
81 — 82 —	Irrigation System Activation (Optional) Verify temperature is greater than minimum activation temperature (Optional) Verify lack of precipitation Activate adjusted irrigation schedule

FIG. 5

50 ~
Controller Calculates Summer Temperature Budget Factor (STBF)
51 — Obtain extraterrestrial radiation value from RA lookup table
52 — Determine STBF from average summer temperature and RA
Dolonia Di Di Ironia Voltago da Ironia Voltago de Ironia Voltago d
60 Controller Calculates Periodic Temperature Budget Factor (PTBF)
6) — Record maximum temperature for the current period
- •
62 — Determine RA for the current period
63 — Determine PTBF from periodic maximum temperature and RA
70~
Controller Affects Preliminary Irrigation Schedule
7 Calculate water budget ratio (WBR) from STBF and PTBF
72 — Adjust irrigation schedule by WBR
·
73 — Store adjusted irrigation schedule
80~
Irrigation System Activation
83 — Activate adjusted irrigation schedule



January	February	March	April	May	June	July	August	September	October	November	December	Latitude (degrees
(1)	(2)	(3)	(4)	(5)	(6)	(7) (a) Northern I	(8)	(9)	(10)	(11)	(12)	(13)
3.8	6.1	9.4	12.7	15.8	17.1	16.4	14.1	10.9	7.4	4.5	3.2	50
3.8 4.3	6.6	9.8	13.0	15.9	17.2	16.5	14.3	11.2	7. 4 7.8	5.0	3.7	48
4.9	7.1	10.2	13.3	16.0	17.2	16.6	14.5	11.5	8.3	5.5	4.3	46
5.3	7.6	10.2	13.7	16.1	17.2	16.6	14.7	11.9	8.7	6.0	4.7	44
5.9	8.1	· 11.0	14.0	16.2	17.3	16.7	15.0	12.2	9.1	6.5	5.2	42
6.4	8.6	11.4	14.3	16.4	17.3	16.7	15.2	12.5	9.6	7.0	5.7	40
6.9	9.0	11.8	14.5	16.4	17.2	16.7	15.3	12.8	10.0	7.5	6.1	38
7.4	9.4	12.1	14.7	16.4	17.2	16.7	15.4	13.1	10.6	8.0	6.6	36
7.9	9.8	12.4	14.8	16.5	17.1	16.8	15.5	13.4	10.8	8.5	7.2	34
8.3	10.2	12.8	15.0	16.5	17.0	16.8	15.6	13.6	11.2	9.0	7.8	32
8.8	10.7	13.1	15.2	16.5	17.0	16.8	15.7	13.9	11.6	9.5	8.3	30
9.3	11.1	13.4	15.3	16.5	16.8	16.7	15.7	14.1	12.0	9.9	8.8	28
9.8	11.5	13.7	15.3	16.4	16.7	16.6	15.7	14.3	12.3	10.3	9.3	26
10.2	11.9	13.9	15.4	16.4	16.6	16.5	15.8	14.5	12.6	10.7	9.7	24
10.7	12.3	14.2	15.5	16.3	16.4	16.4	15.8	14.6	13.0	11.1	10.2	22
11.2	12.7	14.4	15.6	16.3	16.4	16.3	15.9	14.8	13.3	11.6	10.7	20
11.6	13.0	14.6	15.6	16.1	16.1	16.1	15.8	14.9	13.6	12.0	11.1	18
12.0	13.3	14.7	15.6	16.0	15.9	15.9	15.7	15.0	13.9	12.4	11.6	16
12.4	13.6	14.9	15.7	15.8	15.7	15.7	15.7	15.1	14.1	12.8	12.0	14
12.8	13.9	15.1	15.7	15.7	15.5	15.5	15.6	15.2	14.4	13.3	12.5	12
13.2	14.2	15.3	15.7	15.5	15.3	15.3	15.5	15,3	14.7	13.6	12.9	10
13.6	14.5	15.3	15.6	15.3	15.0	15.1	15.4	15.3	14.8	13.9	13.3	8
13.9	14.8	15.4	15.4	15.1	14.7	14.9	15.2	15.3	15.0	14.2	13.7	6
14.3	15.0	15.5	15.5	14.9	14.4	14.6	15.1	15.3	15.1	14.5	14.1	4
14.7	15.3	15.6	15.3	14.6	14.2	14.3	14.9	15.3	15.3	14.8	14.4	2
15.0	15.5	15.7	15.3	14,4	13.9	14.1	14.8	15.3	15.4	15.1	14.8	0
						(b) Southern I						
17.5	14.7	10.9	7.0	4.2	3.1	3.5	5.5	8.9	12.9	16.5	18.2	50
17.6	14.9	11.2	7.5	4.7	3.5	4.0	6.0	9.3	13.2	16.6	18.2	48
17.7	15.1	11.5	7.9	5.2	4.0	4.4	6.5	9.7	13.4	16.7	18.3	46
17.8	15.3	11.9	8.4	5.7	4.4	4.9	6.9	10.2	13.7	16.7	18.3	44
17.8	15.5	12.2	8.8	6.1	4.9	5.4	7.4	10.6	14.0	16.8	18.3	42
17.9	15,7	12.5	9.2	6.6	5.3	5.9	7.9	11.0	14.2	16.9	18.3	40
17.9	15.8	12.8	9.6	7.1	5.8	6.3	8.3	11.4	14.4	17.0	18.3	38
17.9	16.0	13.2	10.1	7.5	6.3	6.8	8.8	11.7	14.6	17.0	18.2	36
17.8	16.1	13.5	10.5	8.0	6.8	7.2	9.2	12.0	14.9	17.1	18.2	34
17.8	16.2	13.8	10.9	8.5	7.3	7.7	9.6	12.4	15.1	17.2	18.1	32
17.8	16.4	14.0	11.3	8.9	7.8	8.1	10.1	12.7	15.3	17.3	18.1	30
17.7	16.4	14.3	11.6	9.3	8.2	8.6	10.4	13.0	15.4	17.2	17.9	28
17.6	16.4	14.4	12.0	9.7	8.7	9.1	10.9	13.2	15.5 15.6	17.2	17.8	26
17.5	16.5	14.6	12.3	10.2	9.1	9.5	11.2	13.4	15.6 15.7	17.1	17.7	24
17.4	16.5	14.8	12.6	10.6	9.6 10.0	10.0 10.4	11.6	13.7 13.9	15.7	17.0	17.5	22
17.3	16.5 46.5	15.0	13.0	11.0			12.0		15.8 15.8	17.0	17.4	20
17.1	16.5	15.1	13.2	11.4 11.7	10.4 10.8	10.8 11.2	12.3 12.6	14.1 14.3	15.8 15.8	16.8 46.7	17.1 16.8	18
16.9 16.7	16.4 16.4	15.2 15.3	13.5 13.7	11.7	11.2	11.2	12.9	14.3 14.5	15.8 15.8	16.7 16.5	16.8	16 .14
16. <i>1</i> 16.6	16.3	15.3 15.4	13.7	12.1 12.5	11.2	12.0	· 13.2	14.5 14.7	15.8 15.8	16.5 16.4	16.5	12
16.4	16.3	15.4 15.5 .	14.0	12.5	12.0	12.4	13.2	14.7	15.9	16.4	16.3	
16.4 16.1	16.3		14.2 14.4	13.1	12.0	12.4	13.5	14.9	15.8			10 8
10. I	16.0	15.5 15.6	14.4 14.7	13.1	12.4	13.1	14.0	15.0	15.8	16.0 15.8	16.0 15.7	6
		13.0	14.7	13.4	12.0	13.1	17.0	10.0		13.0	15.7	. •
15.8		45.0	44.0	43.0	12.2	49.4	1/12	45.4	156	46.5	45.4	4
	15.8 15.7	15.6 15.7	14.9 15.1	13.8 14.1	13.2 13.5	13.4 13.7	14.3 14.5	15.1 15.2	15.6 15.5	15.5 15.3	15.4 15.1	4 2

F16. 6